SINGLEstream™ TS-2408

1G/10G Dual Link Fiber Aggregation Tap with Media Conversion

10G/1G Fiber Link Tapping

Datacom's TS series aggregation taps may be used in 10G or 1G fiber links, and with 10G fiber or 1G fiber/copper monitoring tools. A copy of traffic from the network links is passively copied for monitoring. In the rare event of power loss, traffic is completely unaffected on connected network devices. The model TS-2408 taps two links* and is capable of combining data from both links to be seen by a single tool - ideal for load balanced or active-passive link pairs between firewalls and routers.

All monitor ports are SFP+, and may be used to attach additional monitoring tools, but can also serve as extra input ports, accepting data from SPAN ports or other Taps.

*Single link tap models TS-1404 (two monitor ports,) TS-1406 (four monitor ports) and TS-1408 (six monitor ports) are also available - details provided on separate data sheet.

Passive Tapping

Invisible to the network, completely passive and fault-tolerant, fiber taps will not affect network performance or integrity. There is a moderate amount of insertion loss; no statistically significant latency is added to the link.

Aggregation (Many-to-Any)

Many-to-Any monitoring access aggregates network traffic and provides visibility for one or more monitoring tools. Aggregate and reassemble full duplex conversations to tools with a single capture NIC.

Regeneration (Any-to-Many)

Any-to-Many configurations replicate copies of identical network traffic to provide multiple tools with monitoring access to the same links. In addition to eliminating contention for scarce SPAN ports and test access points, multiple tools can be connected to the same link for redundancy, testing, or advanced monitoring applications.

Port Steering (Any-Any)

Monitoring ports can be configured as input or ports on the fly through an easy to use command line interface (CLI). The designation of these ports may be changed as needs change.

Robust Management, Security, and Logging

Manage your Tap using built-in, easy to use CLI. Supports Remote Management , E-mail notifications, as well as event logging to monitor changes to the Tap and the connected devices.

Highlights

- Consolidate tools to reduce management expense and tool cost
- Single point of deployment and remote management reduces MTTR
- Monitor 10G links with 1G tools for increased ROI and more efficient use of monitoring resources
- Easily share scarce SPAN ports and test access points without maintenance windows
- Allows immediate tool deployment without impacting the production network, thus simplifying the change control process

Features

- No risk of data traffic loss during power loss.
- 160 Gbps backplane
- All ports active - no per port licensing
- Combine data sources into one stream and send copies to multiple connected tools to share data sources
- Flexible deployment options -copper, single mode, multi-mode, and media conversion
- Dual redundant power supplies ensure monitoring uptime
- Manage device remotely or locally with an extensive CLI - supports SSH
- E-mail event notifications on user-defined events
- NTP Support

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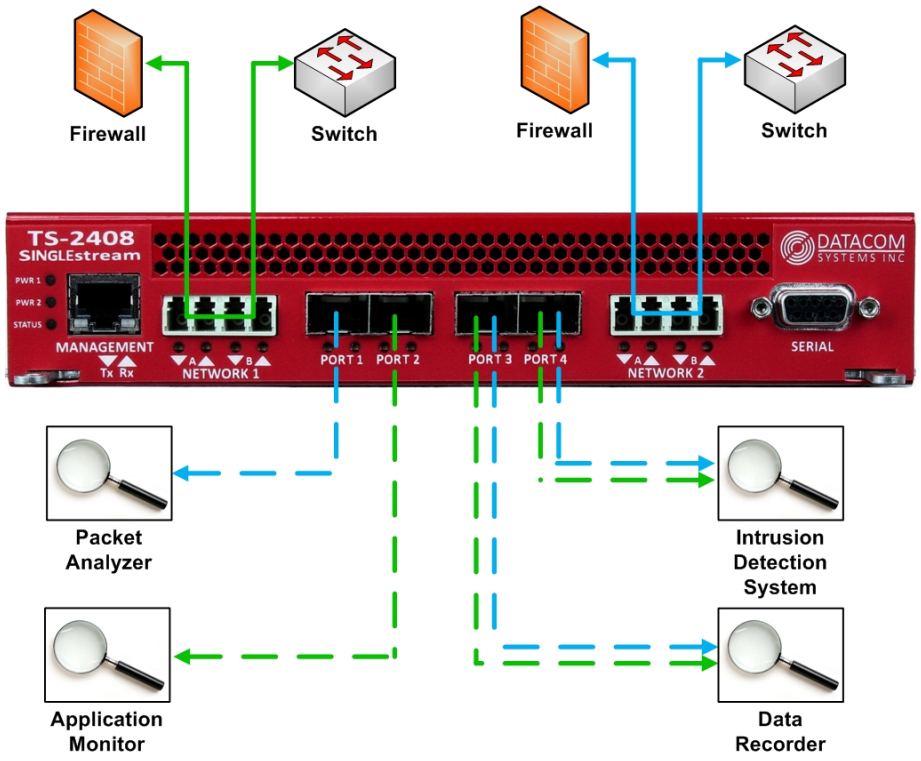

Technical Specifications

Ports

Any-to-Any / Monitor Ports: Four (4)SFP+
(Supports SFP+ SR, LR, LRM, SFP SX, LX, BT)
Tap Ports: Two fiber tap assemblies each consisting of two (2) LC ports
Management Port: RJ45
Console Port: DB9

Power Requirements

Dual Redundant Hot Swappable Power Supplies (Included)
Maximum Power Consumption: Less than 60 Watts
Individual Power Supply Rating: 100-240V ~50-60Hz 7A MAX.

Certifications CE, RoHS

Dimensions (HXWXD)

1.5 x 8.3 x 12.5 in (3.81 x 21.08 x 31.75 cm)

Weight 3.75 lbs (1.7 kgs)

Environmental

Operating Temperature: 32º to 104ºF (0º to 40ºC)
Storage Temperature: -22º to 149ºF (-30º to 65ºC)
Humidity: 5 to 90% non-condensing

Warranty

One Year Hardware and Software support included.
Premium Support option available

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Insertion Loss

- Multimode (50/62.5 micron diameter) 50/50 = 4.2 dB
- Multimode (50/62.5 micron diameter) 70/30 = 3.0 / 6.7 dB
- Singlemode (9 micron diameter) 50/50 = 3.9 dB Singlemode
- (9 micron diameter) 70/30 = 2.2 / 6.3 dB

*approximate per fiber

ORDER INFORMATION

Product	Description
TS-2408	SINGLE*stream*™ 8 Port 1G/10G dual link Aggregation Network Tap. Supports 1 tapped link, 4 any-to-any / monitor ports.
SFP+ - SR/SX	Multimode Fiber Transceiver 10G/1G
SFP+ - LR/LX	Singlemode Fiber Transceiver 1G Multimode Fiber Transceiver1G Singlemode Fiber Transceiver
SFP – SX	1G Copper Transceiver
SFP – LX	
SFP – RJ45	
RMC- 2C	Rack mount for TS-1404, 1406, 1408, and 2408. Fits two units in a 1U chassis.

Find out more at
www.datacomsystems.com

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